

Form PTO 945 (Rev. 10-9-90)

U.S. DEPARTMENT OF COMMERCE - Patent and Trademark Office

Application No. 08/480201

## NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

PTO Draftpersons review all originally filed drawings regardless of whether they are designated as formal or informal. Additionally, patent Examiners will review the drawings for compliance with the regulations. Direct telephone inquiries concerning this review to the Drawing Review Branch, 703-508-8494.

The drawings filed (print date) 6/1/95 are:

A. ☒ Filed by the Draftperson under 37 CFR 1.84(a) or 1.852.  
B. ☐ Subject to review thereafter under 37 CFR 1.84(a) or 1.852 as indicated above. The Examiner will require identification of new, corrected drawings filed hereafter. Corrected drawings must be submitted according to the instructions on the back of this Notice.

1. DRAWINGS (37 CFR 1.84(a)). Acceptable categories of drawings:  
Black and white:  
— Not black solid lines. (Fig.)  
— Color tints are not acceptable until patent is granted. (Fig.)  
2. PHOTOGRAPHS. (37 CFR 1.84(b))  
— Photographs are not acceptable until patent is granted. (Fig.)  
— Photographs not properly mounted (over the crystal ball or photo-ready bubble-wrap paper). (Fig.)  
— Poor quality (halftone). (Fig.)  
3. GRAPHIC SYMBOLS. (37 CFR 1.84(c))  
— Characters and symbols (do not) label as reference figures. (Fig.)  
— Lines of development not presented as a single light, many colored, vertical rule with line extending along horizontal axis. (Fig.)  
— Horizontal lines not shown as separate lines. (Fig.)  
— Horizontal lines not shown as separate lines. (Fig.)  
4. TYPES OF SYMBOLS. (37 CFR 1.84(d))  
— Paper not flexible, strong, white, smooth, opaque, and durable. (Fig.)  
— Figures, dimensions, overlines, underlines, cracks, creases, and fold, rough machine marks are not acceptable. (Fig.)  
— Major, visible paper is not acceptable (too thin). (Fig.)  
5. SIZE OF PAPER. (37 CFR 1.84(e)) Acceptable sizes:  
— 11 in. x 17 in. (28 cm x 43 cm) to 14 in. x 22 in. (35 cm x 56 cm)  
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— 11 in. x 17 in. (28 cm x 43 cm) to 14 in. x 22 in. (35 cm x 56 cm)  
— All drawings must be on one side of the paper.  
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6. MARGINS. (37 CFR 1.84(f)) Acceptable margins:  

Paper size	
11 in. x 17 in. (28 cm x 43 cm)	1 in. (25 mm)
14 in. x 22 in. (35 cm x 56 cm)	1 in. (25 mm)
11 in. x 17 in. (28 cm x 43 cm)	1 in. (25 mm)
14 in. x 22 in. (35 cm x 56 cm)	1 in. (25 mm)
11 in. x 17 in. (28 cm x 43 cm)	1 in. (25 mm)
14 in. x 22 in. (35 cm x 56 cm)	1 in. (25 mm)

Margins are not uniform about sheet.  
— 1 in. (25 mm) (left), 1 in. (25 mm) (right), 1 in. (25 mm) (bottom).  
7. CORRECTIONS. (37 CFR 1.84(g))  
REMINDER: Specification may require revision to correspond to drawing changes.  
— All views not grouped together. (Fig.)  
— Views connected by projection lines or lead lines. (Fig.)  
— Partial views. (37 CFR 1.84(h))  
— View and enlarged view not labeled separately or properly. (Fig.)  
— Drawing view. (37 CFR 1.84(i))  
— Section view not drawn same as view with parts in cross section with regularly spaced parallel oblique strokes. (Fig.)  
8. ARRANGEMENT OF VIEWS. (37 CFR 1.84(j))  
— Words do not appear on a horizontal, left-to-right section when page is either upright or turned so that the top between the right side, except for profile. (Fig.)  
9. SCALE. (37 CFR 1.84(k))  
— Scale not large enough to show mechanism with crowding when drawing is reduced in size to two sheets or reproduction. (Fig.)  
— Indication with "as shown" or "as per" (2" not permitted). (Fig.)  
10. CHARACTER OF LINES, NUMBERS, & LETTERS. (37 CFR 1.84(l))  
— Lines, numbers, & letters not uniformly thick and well defined, often, durable, and black (except for color drawings). (Fig.)  
11. SHADING. (37 CFR 1.84(m))  
— Solid black shading areas not permitted. (Fig.)  
— Shading, fine, pale, rough and blurred. (Fig.)  
12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. (37 CFR 1.84(n))  
— Numbers and reference characters not plain and legible. (37 CFR 1.84(n)(1)) (Fig.)  
— Numbers and reference characters not contained in same direction as view. (37 CFR 1.84(n)(2)) (Fig.)  
— Figures alphabet not used. (37 CFR 1.84(n)(3)) (Fig.)  
— Numbers, letters, and reference characters too small (at least 32 pts (1/8 inch) in height. (37 CFR 1.84(n)(4)) (Fig.)  
13. LEAD LINES. (37 CFR 1.84(o))  
— Lead lines cross each other. (Fig.)  
— Lead lines shading. (Fig.)  
14. NUMBERING OF SHEETS OF DRAWINGS. (37 CFR 1.84(p))  
— Sheets not numbered consecutively, and in Arabic numerals beginning with number 1. (Fig.)  
15. NUMBER OF VIEWS. (37 CFR 1.84(q))  
— Views not numbered consecutively, and in Arabic numerals beginning with number 1. (Fig.)  
— View numbers not preceded by the abbreviation "Fig." (Fig.)  
16. CORRECTIONS. (37 CFR 1.84(r))  
— Corrections not made from prior PTO-945. (Fig.)  
17. DESIGN DRAWING. (37 CFR 1.152)  
— Surface shading shown not appropriate. (Fig.)  
— Solid black shading not used for entire contour. (Fig.)

COMMENTS:

REVISED

DATE